

Notice of Allowability

Application No.

09/785,942

Examiner

Mohammad A. Siddiqi

Applicant(s)

BURGESS, GREGORY M.

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 07/28/2006.
2. ☒ The allowed claim(s) is/are 1-4,6,8-12 and 14-23 (rearranged claims are 1-20).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

1. Claims 1-4, 6, 8-12 and 14-23 are allowed

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, none of the cited prior art references discloses the main application in mobile device is configured to instantiate the identified message form, pass the first message to the instantiated message form, pass the first message to the instantiated message form and display the instantiated message form with the first message, the messaging component is further configured to receive a second message and pass the second message to the instantiated message form, and the main application is further configured to display the instantiated message form with the second message without having to create a new message form, wherein the first message is not displayed with the instantiated message form.

Claims 2-4 and 6, 8-9 depend from claim 1, and are thus allowed for the same reasons.

Claim 10 presents a system for performing the same steps as claim 1 and is thus allowed for the same reasons.

Claims 11-12 and 14 depend from claim 10, and are thus allowed for the same reasons.

Claim 15 presents a system performing the same steps as claim 1 and is thus allowed for the same reasons.

Claims 16-23 depend from claim 15, and are thus allowed for the same reasons.

3. Any comments considered necessary by applicant must be submitted no later than payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments Statement of Reasons for Allowance."

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview *Ryan T. Grace* with on 10/13/2006.

5. Please amend the claims as attached.
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad A. Siddiqi whose telephone number is (571) 272-3976. The examiner can normally be reached on Monday -Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A. Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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MAS

LARRY D. DONAGHUE
PRIMARY EXAMINER

IN THE CLAIMS:

Please amend the claims as follows:

1. (currently amended) A computer-readable medium on a mobile computing device having computer-executable components for managing a message within a mobile device, comprising:

a main application executing on a mobile device and in communication with a messaging component of the mobile device and a table of the mobile device, wherein the table of the mobile device includes a listing of class identifiers that each describe a class of message, each class identifier being associated with a corresponding message form, wherein:

the messaging component is configured to receive a first message that is specifically formatted for communication with the messaging component,

the first message is associated with a class identifier that distinguishes the first message from other messages formatted for communication with a different messaging component,

the messaging component is configured to pass a notice to handle the first message to the main application using a standard interface,

the notice is in a standardized message format and includes the class identifier associated with the first message,

the main application is configured to query the table to identify a message form registered to handle messages associated with the class identifier such that the identified message form is configured to handle messages formatted for communication with the message component,

the main application is configured to instantiate the identified message form, pass the first message to the instantiated message form and display the instantiated message form with the first message,

the messaging component is further configured to receive a second message and pass the second message to the instantiated message form, and

the main application is further configured to display the instantiated message form with the second message without having to create a new message form, wherein the first message is not displayed with the instantiated message form.

2. (Previously presented) The computer-readable medium of claim 1, wherein the messaging component comprises a message transport.

3. (Previously presented) The computer-implemented medium of claim 1, wherein the messaging component comprises a storage component.

4. (Previously presented) The computer-implemented medium of claim 1, further comprising another messaging component that communicates with the messaging component and the main application using the standard interface.

5. (Cancelled)

6. (Previously presented) The computer-readable medium of claim 1, wherein the class identifier is one identifier in a plurality of hierarchically structured class identifiers.

7. (Cancelled)

8. (Currently amended) The computer-readable medium of claim [7] 1, wherein the table further includes a default message form that is returned when the class identifier is not in the listing of class identifiers.

9. (Currently amended) The computer-readable medium of claim [7] 1, wherein the table comprises a system registration database.

10. (Currently amended) A computer-readable medium on a mobile computing device having computer-executable instructions for performing steps, comprising:

receiving a first message over a transport interface of the mobile computing device, wherein the first message is specifically formatted for communication with the transport interface, and further wherein the first message is associated with a class identifier that identifies the transport interface for which the first message is formatted;

receiving over a standard interface of the mobile computing device a notice to handle the first message, wherein the standard interface is configured to receive the notice in a standardized message format;

retrieving the class identifier from the first message, wherein the class identifier distinguishes the first message from other messages formatted for communication with a different transport interface of the mobile computing device;

accessing a registry to identify a message form registered to handle messages having the retrieved class identifier, wherein the identified message form is configured to handle messages formatted for communication with the transport interface, wherein the registry includes a listing of class identifiers that each describe a class of message, each class identifier being associated with a corresponding message form;

instantiating the identified message form;
passing the first message to the instantiated message form;
displaying the instantiated message form with the first message;
receiving a second message over the transport interface;
passing the second message to the instantiated message form; and
displaying the instantiated message form with the second message
without having to create a new message form, wherein the first message is
not displayed with the instantiated message form.

11. (Previously presented) The computer-readable medium of claim 10, wherein the notice to handle the first message comprises an instruction to display the message on the mobile computing device.

12. (Previously presented) The computer-readable medium of claim 10, wherein the class identifier is stored within a property of the first message.

13. (Cancelled)

14. (Original) The computer-readable medium of claim [13] 10, wherein the registry further includes a default message form that is returned when the class identifier is not in the listing of class identifiers.

15. (Currently amended) A system for managing communication messages on a mobile device, comprising:

a message form object of a mobile device having a first standardized interface for communicating information with other components in the system of the mobile device, wherein:

the message form object handles communication messages associated with a class identifier, and

the class identifier identifies a message transport for which the communication message is formatted;

an application having a second standardized interface for communicating information with other components in the system, wherein:

the application is configured to identify and instantiate the message form object that is registered to handle a first communication message received by the system based on the associated class identifier, wherein the message form object is registered in a registry of the mobile device having a plurality of message form objects associated with a plurality of identifiers, and

the class identifier distinguishes the first communication message from other communication messages formatted for communication with a different message transport; and

a message transport having a third standardized interface for communicating information with other components in the system, wherein:

the message transport receives the first communication message that is specifically formatted for communication with the message transport,

the message transport is configured to pass the first communication message associated with the class identifier to the message form object,

the message form object is configured to handle communication messages formatted for communication with the message transport,

the application is further configured to display the instantiated message form object with the first communication message,

the message transport is further configured to receive a second communication message and pass the second communication message to the instantiated message form object, and

the application is further configured to display the instantiated message form object with the second communication message without having to create a new message form object, wherein the first communication message is not displayed with the instantiated message form object.

16. (Previously presented) The system of claim 15, wherein the first standardized interface includes means for instructing the message form object to perform actions.

17. (Original) The system of claim 16, wherein the first standardized interface comprises an IMessageForm interface.

18. (Original) The system of claim 16, wherein the first standardized interface comprises an IFormProvider interface.

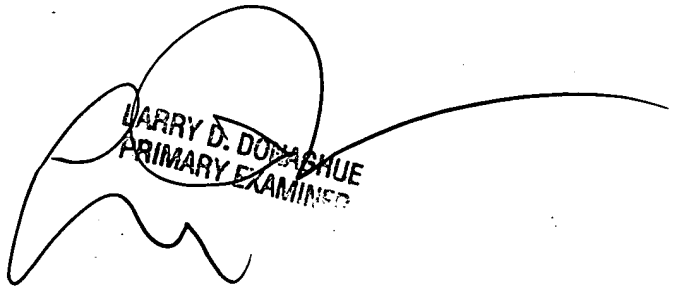
19. (Original) The system of claim 15, wherein the second standardized interface includes means for instructing the application to perform actions.

20. (Original) The system of claim 19, wherein the second standardized interface comprises an IMessageFormHost interface.

21. (Original) The system of claim 19, wherein the second standardized interface comprises an IMailSyncCallback interface.

22. (Original) The system of claim 15, wherein the third standardized interface includes means for instructing the message transport to perform actions.

23. (Original) The system of claim 22, wherein the third standardized interface comprises a IMailSyncHandler interface.


HARRY D. DONAHUE
PRIMARY EXAMINER